

Project Development Phase
Model Performance Test

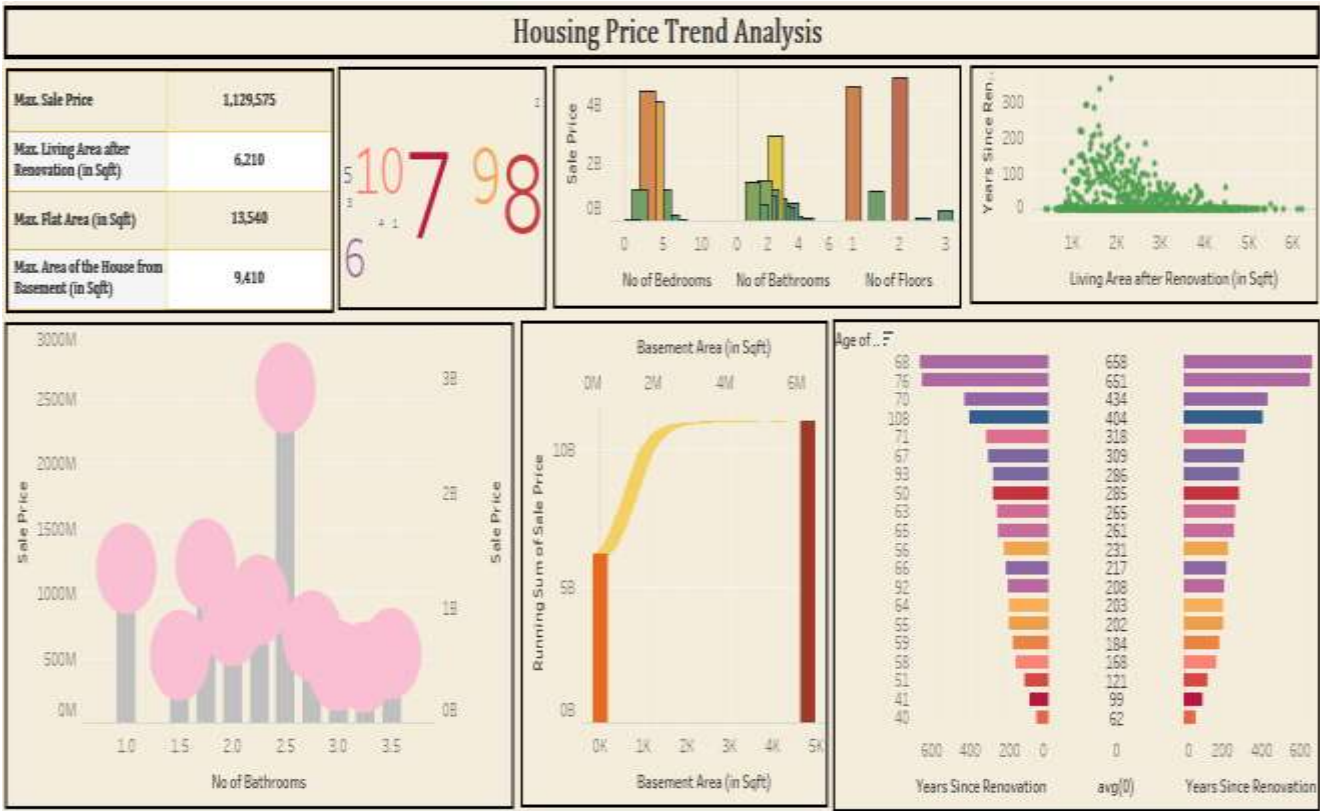
Date	23 JUNE 2025
Team ID	LTVIP2025TMID52391
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	

Model Performance Testing:

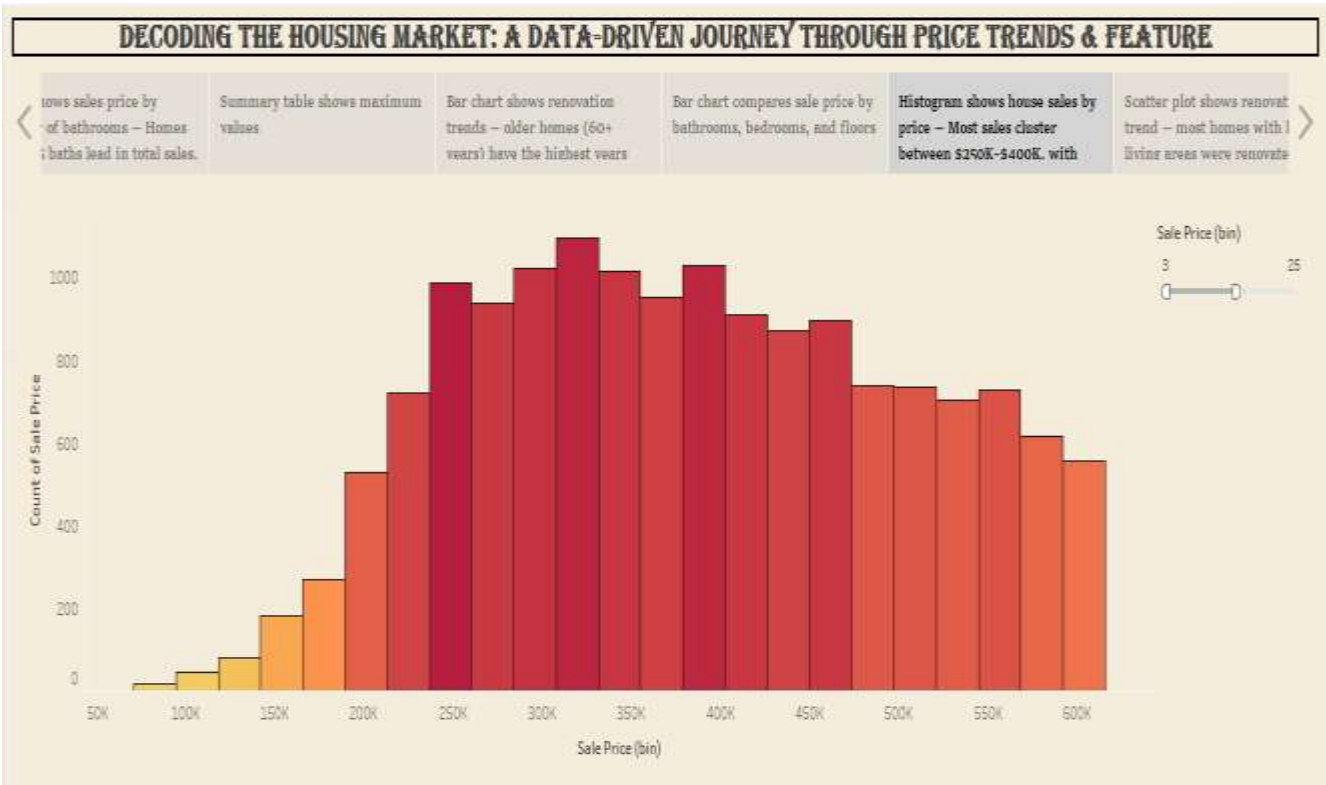
Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	Downloaded the Data From the Kaggle From given Link
2.	Data Preprocessing	1) Removed the row id 2) Converted the zipcode group into categorical as Yes/No 3) Converted the Condition of house Excellent ,etc. to the Categorical as Yes/No
3.	Utilization of Filters	Top 10, Top 5 values for House Age, No. of Bathrooms , used limited no.of values.
4.	Calculation fields Used	Changed the No .Of .Bathrooms, Bedrooms, Floors to Dimension, Sum(0),Agg(-sum(Age of house))
5.	Dashboard design	No of Visualizations / Graphs – 7
6	Story Design	No of Visualizations / Graphs - 7

Screenshot of Dashboard:



Sceens Of Story:



DECODING THE HOUSING MARKET: A DATA-DRIVEN JOURNEY THROUGH PRICE TRENDS & FEATURE



Treemap shows house sales by grade – Grades 7 and 8 dominate, reflecting peak buyer

Chart shows sales price by number of bathrooms – Homes with 2.5 baths lead in total sales.

Summary table shows maximum values

Bar chart shows renovation trends – older homes (60+ years) have the highest years

Bar chart compares sale price by bathrooms, bedrooms, and floors

Histogram shows price – Most sale between \$240K-3



Max. Sale Price	1,129,575
Max. Living Area after Renovation (in Sqft)	6,210
Max. Flat Area (in Sqft)	13,540
Max. Area of the House from Basement (in Sqft)	9,610

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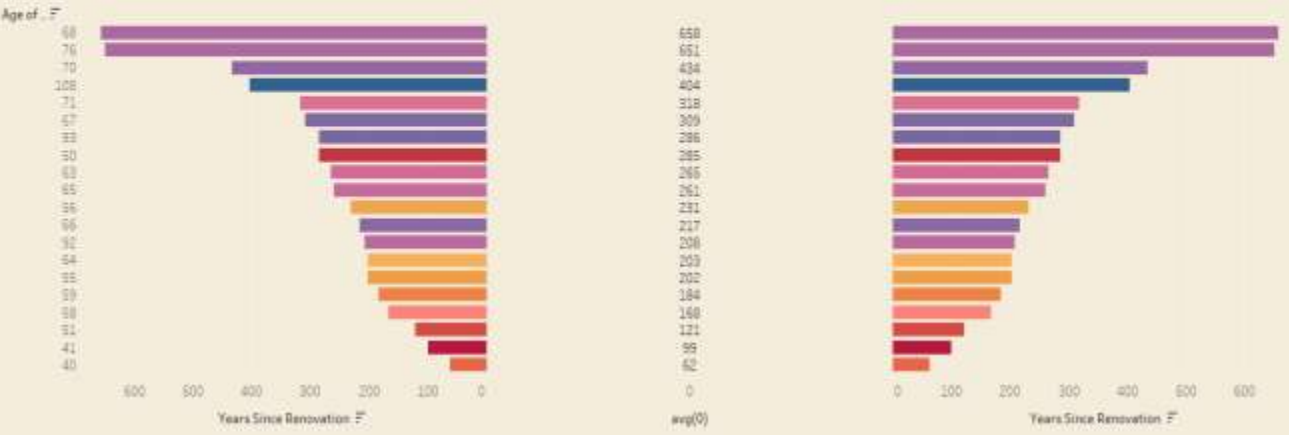
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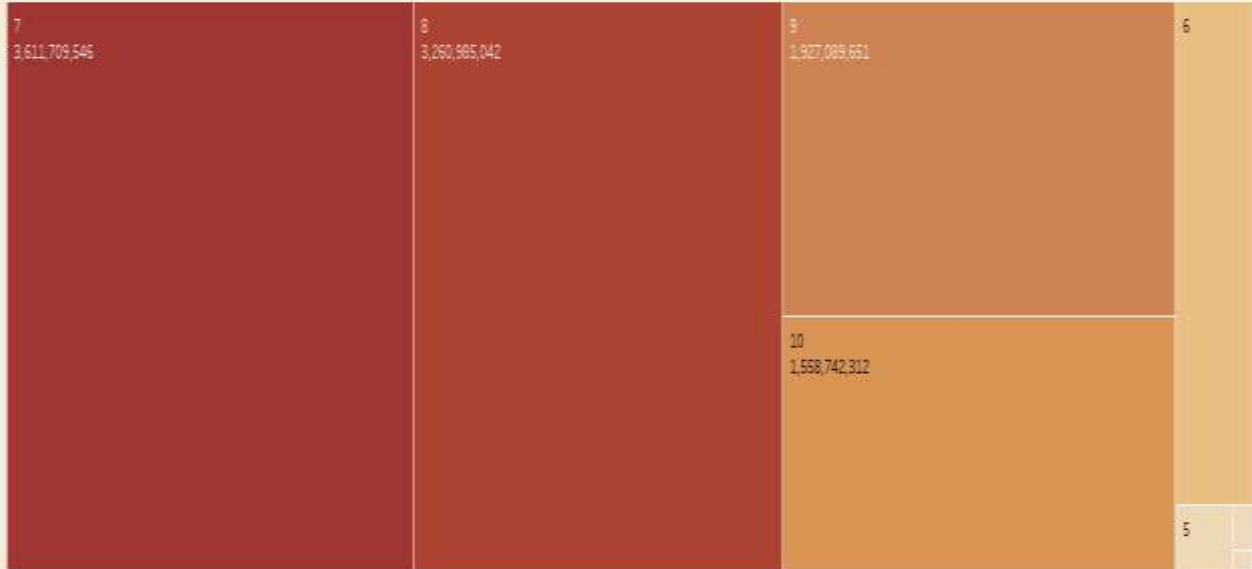
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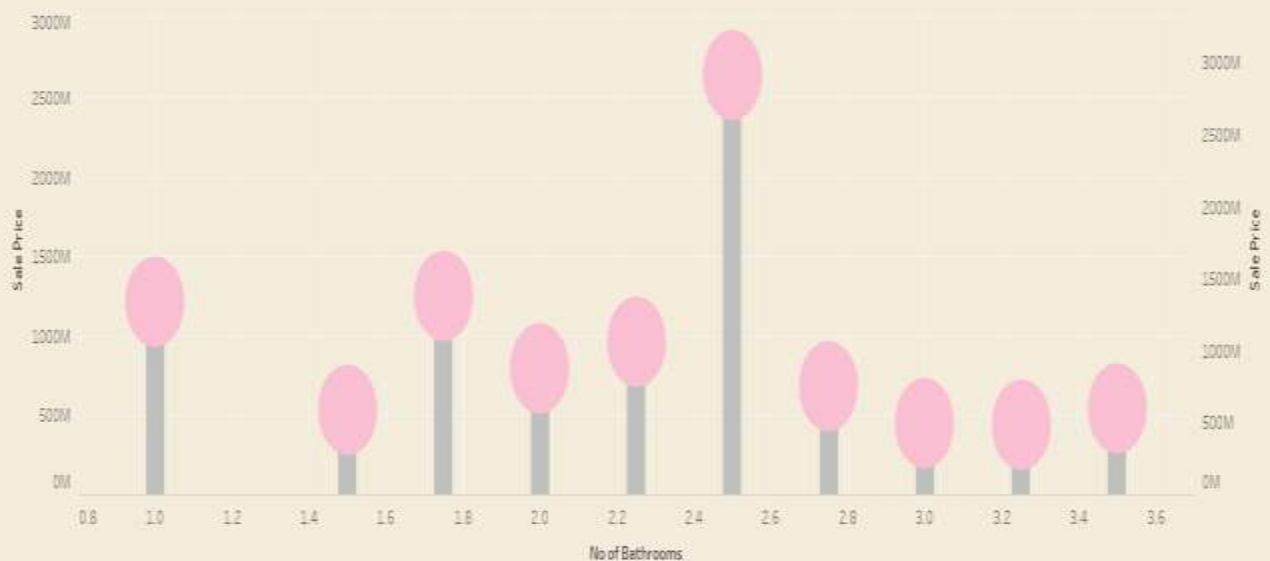
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as price by
rooms – Homes
and in total sales.

Summary table shows maximum
values

Bar chart shows renovation
trends – older homes (50+
years) have the highest years

Bar chart compares sale price by
bathrooms, bedrooms, and floors

Histogram shows house sales by
price – Most sales cluster
between \$250K-\$400K, with

Scatter plot shows renovation
trend – most homes with large
living areas were renovated

